

Recombinant Human CLPS, His-tagged

Cat. No. CLPS-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CLPS, 18-112aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	18-112aa
Description	CLPS, also known as Colipase, is a protein co-enzyme required for optimal enzyme activity of pancreatic lipase. It is secreted by the pancreas in an inactive form, procolipase, which is activated in the intestinal lumen by trypsin. Its function is to prevent the inhibitory effect of bile salts on the lipase-catalyzed intraduodenal hydrolysis of dietary long-chain triglycerides. Recombinant human CLPS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 1mM DTT, 0.1M NaCl
Molecular Mass	12.5 kDa(118aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSAPGPRGI IINLENGELC MNSAQCKSNCCQHSSALGLA RCTSMASENS ECSVKTYLGI YYKPCERGL TCEGDKTIVGSITNTNFGIC HDAGRSKQ
Purity	>90% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration

0.25 mg/ml (determined by Bradford assay)

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